

Gyro Rig Aligner

New Rig Alignment tool for directional drilling featuring true North Seeking Gyro technology

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SPT IN THE WORLD

20 years recognized as worldwide leader supplier of state of the art True North Seeking Gyro Systems

Specialized in gyroscopic downhole directional surveying and directional borehole control

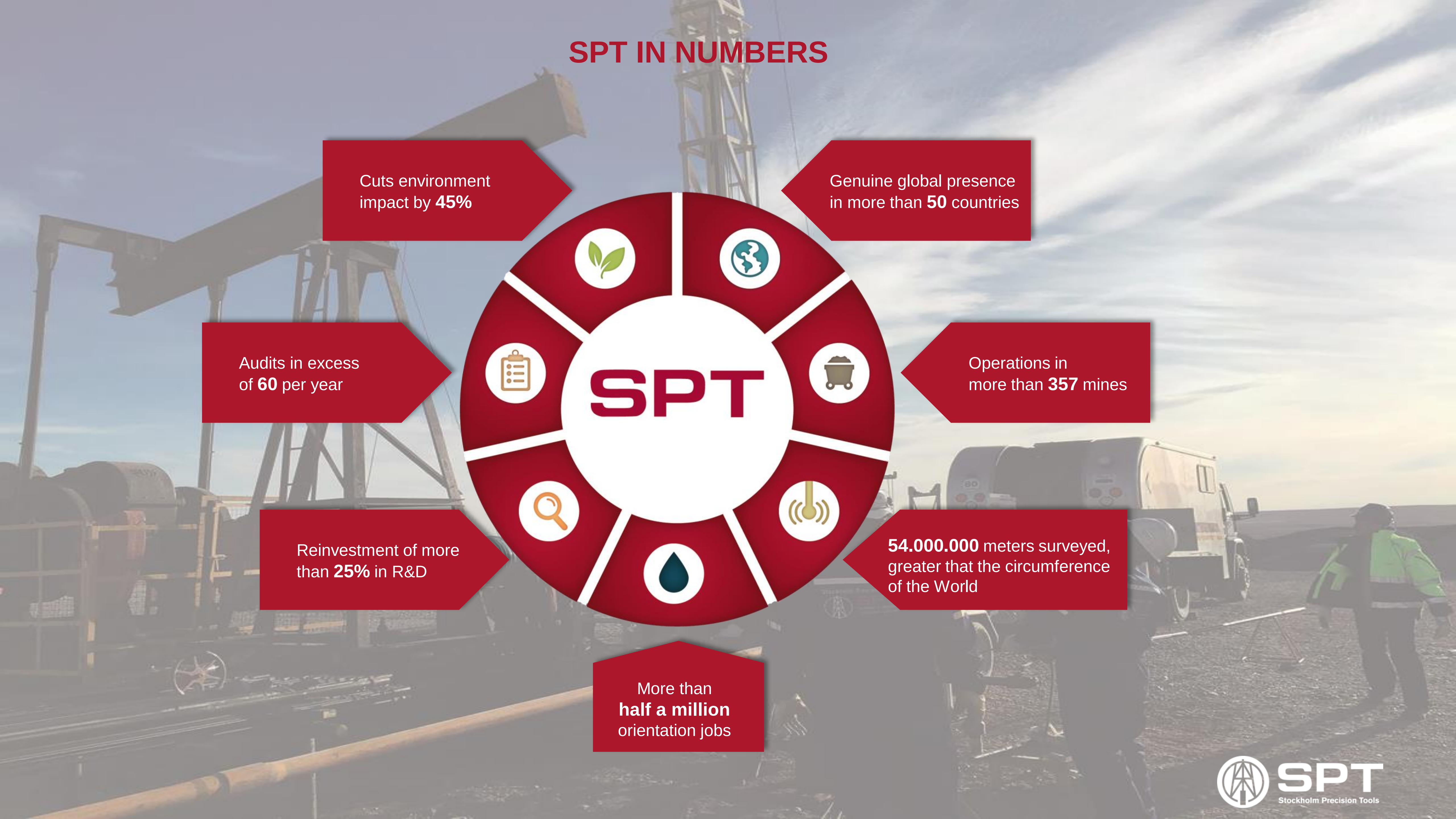
Utilized across multiple Industries:

- Oil and gas
- Mining
- Civil Engineer

Fast, accurate and cost effective systems, implementing the highest standards

SPT is a global company, working through an extensive network of SPT offices based in Sweden, Australia, Canada, Russia, Finland, Iceland, Spain and Bulgaria, as well as partners scattered across Central and South America, Africa and Asia




SPT IN NUMBERS
Cuts environment impact by 45%
Genuine global presence in more than 50 countries
Audits in excess of 60 per year
SPT
Operations in more than 357 mines
Reinvestment of more than 25% in R&D
54.000.000 meters surveyed, greater that the circumference of the World
More than half a million orientation jobs
SPT
Stockholm Precision Tools

NORTH SEEKING GYRO BASED PRODUCTS

All SPT tools are manufactured using the best quality materials available and engineered to be highest precision in SPT's state-of-the-art manufacturing facilities.

With each tool thoroughly tested and quality controlled, SPT clients maintain the confidence and assurance that they are receiving the highest quality, most versatile and rugged tools available on the market.























NORTH SEEKING GYRO ADVANTAGES


True North finding


Inertial Navigation System


Earth spin rotation measurement


Unaffected by magnetic interference


No room for human error


Extremely accurate



Gyro RigAligner™

LAST GENERATION TECHNOLOGY UTILIZING TRUE NORTH SEEKING GYROS



The SPT Gyro RigAligner™ comprises the latest North Seeking Gyro technology from SPT which provides highly accurate and reliable data in drill rig alignment.

- Geologist defines drill target.
- Driller aligns rig using Gyro RigAligner™.
- Continue drilling.



Gyro RigAligner™

TECHNICAL SPECIFICATIONS

FEATURES & BENEFITS








For Mining industry
True North Finding
Unaffected by magnetic interference increasing collar accuracy
Only 20 minutes for drill rig alignment
Reduces rig setup time
Compact and rugged design
Friendly software interface
Operates surface and underground

SPECIFICATIONS








Azimuth accuracy ± 0.3°
Inclination accuracy ± 0.05°
Real time reading
8 hours battery life
Clamp fits BQ to PQ rod sizes
High-Speed Bluetooth™ connectivity

DIMENSIONS

165 x 165 x 130 mm
Weight 3 Kg



Gyro RigAligner™

EMBEDDED INTO DRILLING RIG

N
W
E
S
150º

Drilling Rig + Gyro RigAligner ™

Drilling Rig
is able to orient itself



BENEFITS

For the Drill Rig user

- Guarantees drilling in the required direction
- Quick set-up saving time and money
- Eliminates human error
- Optimizing drilling efficiency saving unwanted downtime
- Light, compact and easily transportable between sites
- User friendly and very easy to operate




BENEFITS
For the Drill Rig vendor
Allows rig manufacturers to offer an advanced rig, with inbuilt alignment system, eliminating human error and seriously reducing rig downtime. No need to have idle rigs waiting for alignment specialist to arrive.
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